

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	928	(lee adj hee).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 16:38
L2	8	1 and (piston or plunger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 16:38
S4	48	(lee adj hee adj young).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 09:57
S5	214	604/190.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 10:41
S6	3	"3779383".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 11:20
S7	38	("0539779" "2279273" "3508653" "3661265" "3693804" "3779383" "3786985").PN. OR ("3779383" "3862042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/04 12:18
S11	200	210/516.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:46
S12	2	"6238080".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/05 11:24
S13	2	"5549816".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/05 11:24

S14	23	("1386340" "3233980" "3512940" "3608736" "4485015" "4643981" "4800020" "4832842" "4832850" "4859336" "4897193" "4909932" "4957637" "4990253" "5264184" "5411661").PN. OR ("5549816").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 12:03
S15	150	604/231.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 13:54
S16	383	604/181.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:02
S17	118	S16 and piston	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:02
S18	1473	210/136.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/05 14:04
S19	173	S18 and piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/05 14:04
S20	21	("2577780" "3508653" "3586064" "3684136").PN. OR ("3941699").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:31
S21	60	("3120490" "3456647" "3508653" "3741400" "3849072" "3852194" "3887466" "3894952" "3929646" "3932277" "3941699" "3957654" "4000829" "4001122" "4021352" "4046699" "4083784" "4104127" "4142668" "4152270" "4154690" "4169060" "4189382" "4192438" "4202769" "4279863" "4294707" "4326959" "4350593" "4369117" "4417981" "4425235" "4443345" "4464254" "4492634" "4522713" "4535918" "4602995" "4630753" "4639316" "4811866" "4828716" "4976925" "5019243" "5030341" "5065907" "5078970").PN. OR ("5354483").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:39

S22	456	210/120.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:46
S23	22	S22 and piston	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:46
S24	62	S22 and plug	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:47
S25	47	S24 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:47
S26	21	S25 and cap	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 14:47
S27	1	"4753634".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:09
S28	554	210/513.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:15
S29	160	S28 and (syringe or tube)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:15
S30	383	604/181.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:20
S31	19	S30 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:20
S32	919	604/187.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:21
S33	70	S32 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:21
S34	335	S32 and piston	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:22
S35	84	S34 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:22
S36	535837	piston	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:24
S37	1182003	valve	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:24
S38	4053610	(cap or lid or top)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:25
S39	201806	S36 and S37 and S38	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:25
S40	5386	S39 and syringe	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:26
S41	226	S40 and "210".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:27
S42	1	"4642184".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:31
S43	22	S28 and fat	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:33
S44	72	S28 and (piston or plug)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 15:34

S46	23	("1386340" "3233980" "3512940" "3608736" "4485015" "4643981" "4800020" "4832842" "4832850" "4859336" "4897193" "4909932" "4957637" "4990253" "5264184" "5411661").PN. OR ("5549816").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 16:47
S47	30	("3325576" "3481477" "3512940" "3693804" "3969250" "3970565" "4035150" "4286640" "4454231" "4456690" "4568083" "4800020" "4891134").PN. OR ("4990253").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 16:49
S48	18808	piston and filter and screw	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 17:02
S49	10630	S48 and (syringe or barrel or tube)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 17:02
S50	501	S49 and "604".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 17:02
S51	325	S50 and hole	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 17:02
S52	682	S49 and "210".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 17:03
S53	361	S52 and hole	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 17:03
S54	2	"4753634".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/05 17:45
S55	45561	piston and filter and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 08:26
S56	2554	S55 and "210".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 08:26
S57	300	S56 and blood	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 08:26

S58	280	S57 and (syringe or container or tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 08:33
S59	2	"4189385".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 08:37
S60	28	("2912999" "3233610" "3263700" "3741400" "3799342" "3800947" "3865731" "3932277" "3954614" "3962085" "3969250").PN. OR ("4189385").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 08:40
S61	1	"4416778".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 08:46
S62	39	("3094308" "3355142" "3814248" "3891553" "3901402" "3931010" "3945928" "4057499" "4202769").PN. OR ("4443345").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:00
S63	25	S62 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:00
S64	1	"4332249".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:36
S65	1	"6110388".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:37
S66	9741	piston and filter and hole and screw	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:41
S67	1325	S66 and packing	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:41
S68	339	S66 and "604".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:42
S69	542	S66 and "210".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:42
S70	312	S68 and (syringe or tube)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:43
S71	411	S69 and (syringe or tube or container)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 09:43
S72	372	S71 and separat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 09:46

S73	88	S72 and blood	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 09:46
S74	228	HUTTUNEN.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 10:11
S75	10	S74 and piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 10:11
S76	2	"5316445".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/06 12:53
S77	30	("1528097" "1768799" "1977075" "2155180" "2483845" "2701743" "2778315" "3053194" "3142257" "3216365" "4016850" "5007276" "5141414").PN. OR ("5316445").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 13:00
S78	1	"6425880".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/06 13:11
S79	822	604/118-121.ccls.	US-PGPUB; USPAT	OR	ON	2009/05/28 11:17
S80	175	S79 and piston	US-PGPUB; USPAT	OR	ON	2009/05/28 11:17
S81	64	S79 and pneumatic	US-PGPUB; USPAT	OR	ON	2009/05/28 11:17
S82	790	604/35.ccls.	US-PGPUB; USPAT	OR	ON	2009/05/28 11:21
S83	38	("2936760" "3459175" "4077412" "4168707" "4356823" "4705038" "4735604" "4735605" "4770187" "4792327" "4838281" "4878901" "4886491" "4986827" "5000191" "5076787" "5122122" "5122302" "5147316").PN. OR ("5352194").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 11:24
S84	543	604/540,542.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 11:27

S85	1337	604/35,540,542.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:23
S86	184	S85 and piston	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:23
S87	304	S85 and (piston or plunger)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:24
S88	740353	(piston or plunger)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:36
S89	99077	S88 and pneumatic	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:36
S90	12321	S89 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:37
S91	1137	S90 and syringe	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:37
S92	112	S91 and fat	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:37
S93	7046	"91" and "604".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:45
S94	740353	(piston or plunger)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:45
S95	99077	S94 and pneumatic	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:45
S96	12321	S95 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:45
S97	1137	S96 and syringe	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:45
S98	163	S97 and "604".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 13:45
S99	60	604/542.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/28 14:04
S100	871	604/35.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/28 14:08
S101	871	604/35.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/29 09:05
S102	212	S101 and (piston or plunger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/29 09:05
S103	470	210/406.ccls.	US-PGPUB; USPAT	OR	ON	2009/05/29 09:09

S104	10	("0862867" "4655754"). PN. OR ("4753634"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 09:25
S105	128932	"210".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 09:31
S106	18473	S105 and (pneumatic or vacuum)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 09:32
S107	2197	S106 and (piston or plunger)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 09:32
S108	1558	S107 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 09:32
S109	975	S108 and (syringe or tube)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 09:32
S110	1	"7488427".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 10:23
S111	45	("20010035101" "20020143298" "20020182664" "20030069543" "3596652" "3750645" "3817389" "3865731" "4014797" "4119542" "4316462" "4364832" "4391274" "4448206" "4632672" "4660569" "4702162" "4781683" "4820276" "4958557" "5002538" "5125415" "5149432" "5238003" "5255688" "5441487" "5474675" "5480484" "5489266" "5490453" "5624402" "5679154" "5685864" "5795477" "5807353" "5830359" "5851201" "5855230" "5865803" "5919169" "6190364" "6383173" "6471069" "6494896" "6520935").PN. OR ("7488427").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 10:24
S112	1	"6598765".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 10:48
S113	2091	604/82-92.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 10:49
S114	358	S113 and (vacuum or pneumatic)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 10:49
S115	130	S114 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 10:49
S116	227	604/73.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 10:57

S117	3	("5112302" "5352194" "5348535").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:06
S118	1324	liposuction	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:18
S119	384	S118 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:18
S120	1	"6598765".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:22
S121	1	"4466446".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:22
S122	14	("3517668" "3775849" "5238003" "5685864" "5865803" "5887764" "6123687" "6234994" "6258054" "20010047183" "20020022854" "20020077601" "20020115933").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:29
S123	8167	filter with (piston or plunger)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:31
S124	7313	S123 and (pressure or vacuum or pneumatic)	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:31
S125	300	S124 and "604".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 11:31
S126	996	S124 and "210".clas.	US-PGPUB; USPAT	OR	ON	2009/05/29 12:17
S127	16	S126 and fat	US-PGPUB; USPAT	OR	ON	2009/05/29 12:49
S128	8	shaftless with piston	US-PGPUB; USPAT	OR	ON	2009/05/29 12:51
S129	2	("4710162" "4834703").pn.	US-PGPUB; USPAT	OR	ON	2009/05/29 13:05
S130	27	("2239868" "2768754" "2895613" "4710162" "4744789").PN. OR ("4834703").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 13:05
S131	434	fixing with cover with valve	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 14:58
S132	151	S131 and piston	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 14:58
S133	6	S132 and syringe	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 14:59
S134	39	fixing with cover with valve with piston	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/29 15:02
S135	2	"4753634".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/03 15:18

S136	221	604/190.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/03 15:20
S137	291	604/236.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/03 15:21
S138	419	604/236-238.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/03 15:22
S139	91	("20020049407" "20030055380" "20030199816" "20040044316" "20040097875" "20040236273" "20050065479" "20050245880" "20080242915" "3678931" "3685514" "3896805" "4261359" "4439184" "4563175" "4715853" "4715854" "4792329" "4929230" "5069670" "5080649" "5102388" "5298024" "5320603" "5373684" "5599312" "5704918" "5713857" "5785682" "5788670" "5833653" "5865798" "5899881" "6027481" "6149628" "6398762" "6419656" "6544233" "6638244" "6641561" "6645179" "6817987" "6866653" "7077827").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/03 15:27
S140	126	604/252.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 12:46
S141	717	604/167.02-167.04,236-238,247-249,252.ccls. and (piston or plunger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 12:53
S142	618	S141 and valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 12:53

S143	110	<p>("20020128611" "20040082904" "20040143212" "20040221904" "20040242996" "20050104444" "3065761" "3084707" "3092130" "3157201" "3196890" "3245426" "3369496" "3610228" "3633605" "3731679" "3739943" "4084606" "4243031" "4252116" "4355653" "4457330" "4457487" "4461313" "4462409" "4506691" "4512764" "4677980" "4724830" "4819684" "4854324" "4858127" "4953584" "4966579" "5002528" "5097841" "5105820" "5176658" "5232434" "5236417" "5254101" "5356375" "5460609" "5515851" "5569181" "5573515" "5739508" "5795333" "5800397" "5806519" "5808203" "5840026" "5843037" "5843044" "5873861" "5885216" "5916165" "5920054" "5935083" "5947935" "6085773" "6096011" "6099511" "6149627" "6182698" "6197000" "6290682" "6306117" "6317623" "6318403" "6339718" "6371942" "6385483" "6397098" "6402717" "6440107" "6442418" "6471674" "6475192" "6520930" "6527698" "6569117" "6638258" "6643537" "6652489" "6673033" "6699219" "6708714" "6731971" "6733477" "6733478" "6743202" "6866654" "6889074" "6896002" "6901283" "6918893" "6939302" "6972001" "7094216" "RE36648" "RE37602"). PN. OR ("7389788"). URPN.</p>	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 13:33
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S144	8	("3757780" "3938513" "4066079" "4332249" "4391274" "4488961" "5494044" "5618266").PN. OR ("6796965").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 13:52
S145	23	("4424817" "4448206" "4466446" "4572210" "4632672" "4690154" "4732162" "4859336").PN. OR ("5238003").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 15:22
S146	38	("3661265" "3706305" "3894952" "3897337" "3931010" "4035150" "4057499").PN. OR ("4957637").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 15:51
S147	63	("4274408").PN. OR ("4813938").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 16:03

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